

## **Browser Testing Report**

**CSE211 Web Programming, Fall Semester 25/26**

**Final Course Project: EventsX**

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**Submission Date: Tuesday, january 7, 2026**

## 1. Testing Environment

Operating System: Windows 11.

Browsers Tested:

1.Firefox (146.0.1).

2.Microsoft Edge (143.0.3650.96).

## 2. Browser Compatibility Table

Page name	Firefox	Microsoft edge
Index.html	pass	pass
About.html	pass	pass
Budget-calculator.html	pass	pass
Contact.html	pass	pass
Events.html	pass	pass
Login.html	pass	pass
Privacy.html	pass	pass
Profile.html	pass	pass
Registration.html	pass	pass
Student-dashboard.html	pass	pass
Terms.html	pass	pass
Thank-you.html	pass	pass

## 3. Evidence of Testing

### 3.1 Homepage (Firefox vs Microsoft edge)

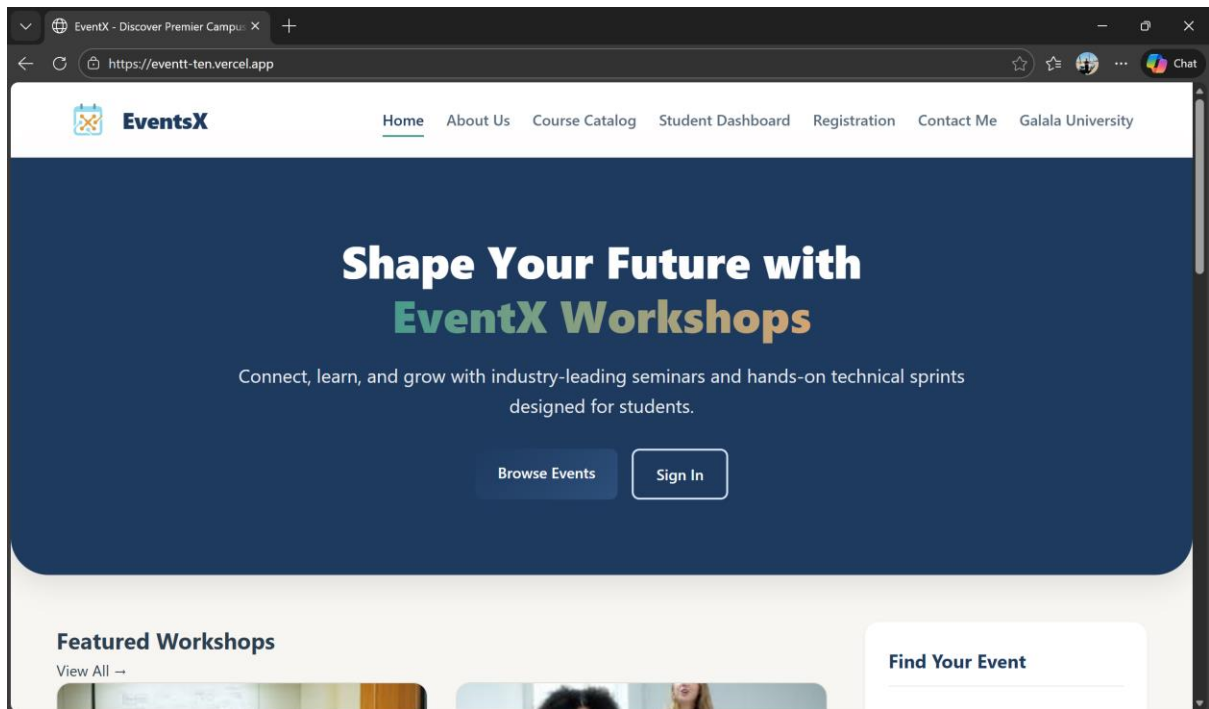


Figure 1: Home page in Microsoft edge

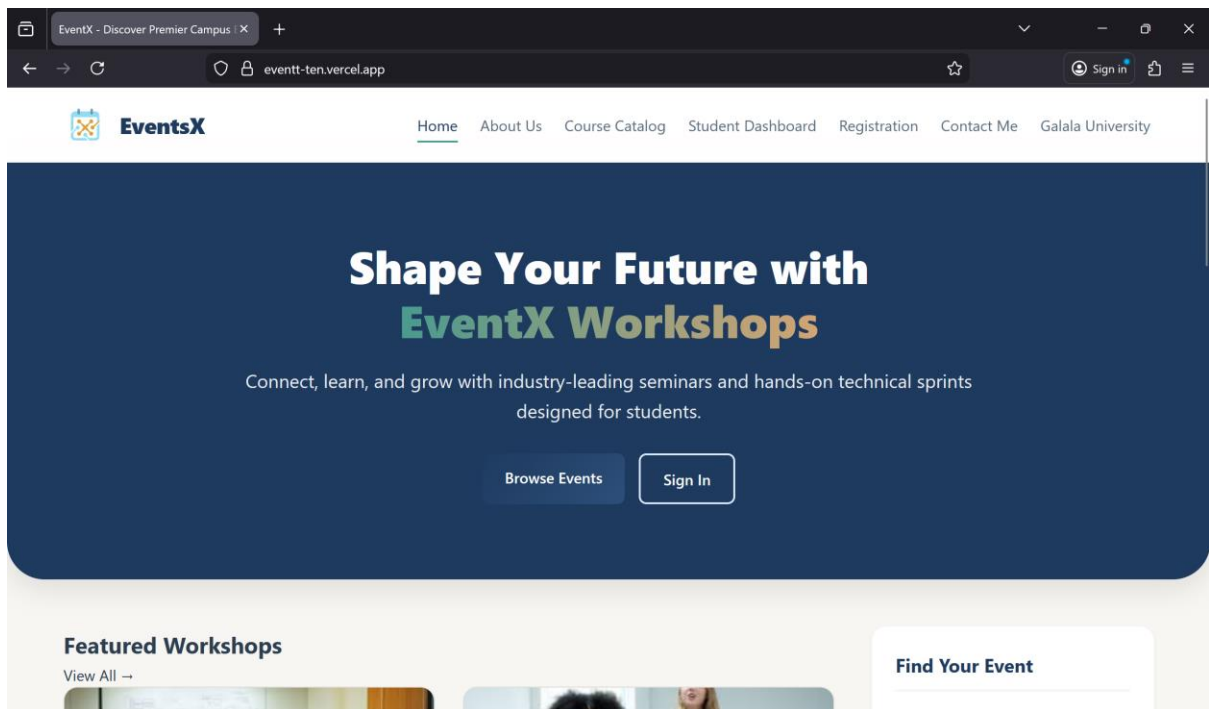


Figure 2: Home page in Firefox

### 3.2 Rendering Differences and Resolutions

Difference: Variation in HTML5 Form Validation Feedback.

Browsers: Microsoft Edge vs. Mozilla Firefox.

Observation: When testing the registration form without an "@" symbol in the email field, Microsoft Edge provided a specific pop-up message stating: "Please include an '@' in the email address". In contrast, Mozilla Firefox handled the validation differently, using its own native UI style and phrasing to prevent form submission.

Technical Reason: This occurs because different browser engines (Chromium for Edge vs. Gecko for Firefox) have different built-in designs for HTML5 type="email" validation alerts.

Resolution: No code changes were required as both browsers successfully performed their primary function: preventing invalid form submission.

Result: The system is fully functional and secure across both browsers.

### 3.3 Form Validation (fFirefox vs Microsoft edge)

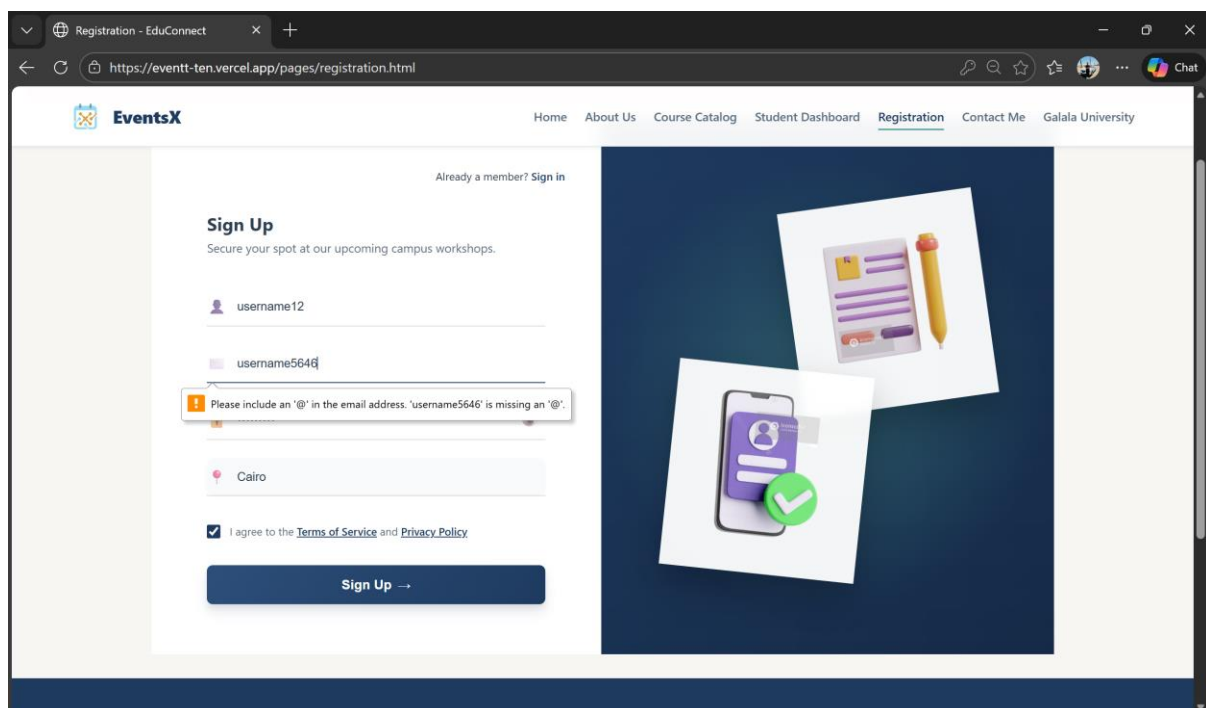


Figure 3: Form Validation in Microsoft edge

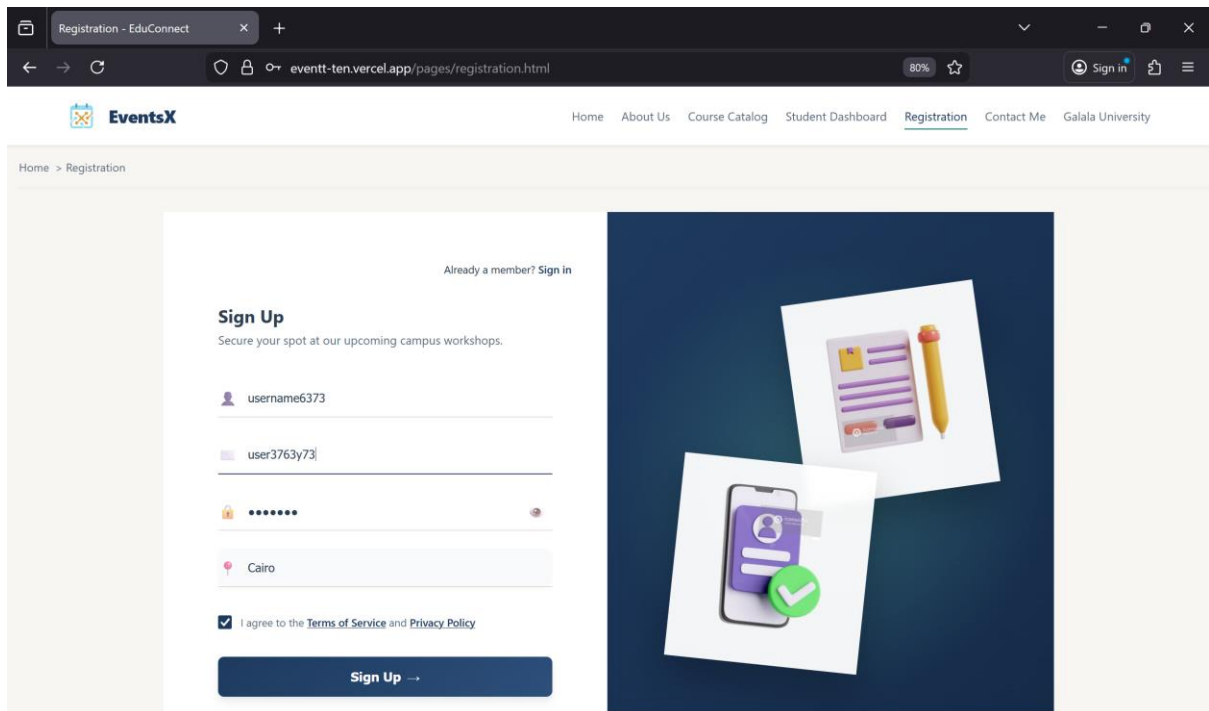


Figure 4: Form Validation in Firefox

### 3.4 Dev tools (Console)

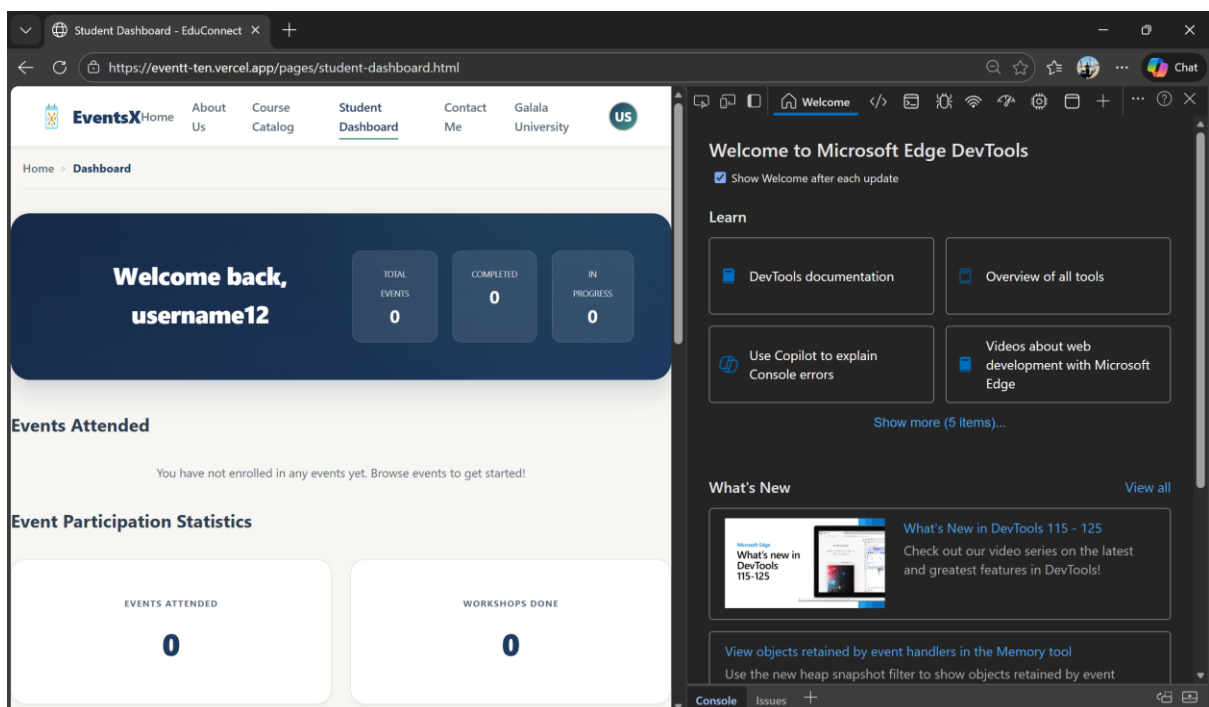


Figure 5: Dev Tools (Console) in Microsoft edge

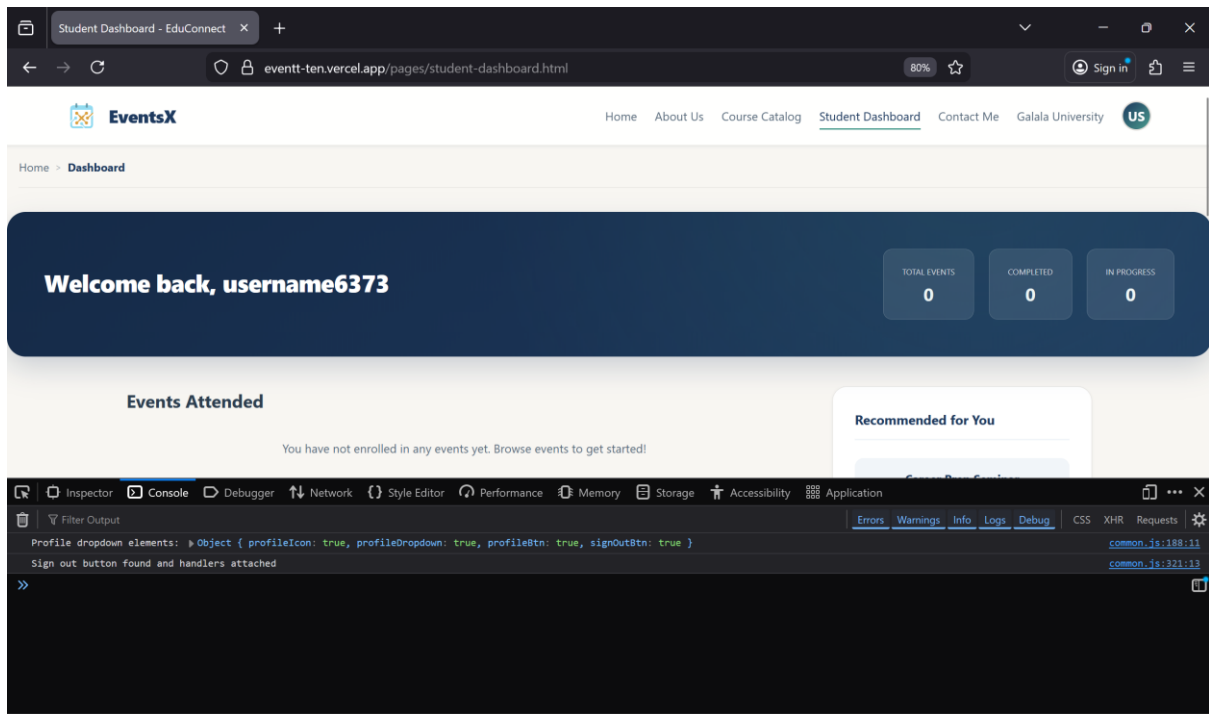


Figure 6: Dev Tools (Console) in Firefox

#### 4. Confirmation

4.1 Interactive Elements: all interactive elements, including navigation menus, buttons, and links across all pages (Home, About, Events, etc.), have been tested and are working perfectly in both Microsoft Edge and Mozilla Firefox.

4.2 Form Functionality: all forms, specifically the Registration and Contact forms, function properly. The validation logic correctly identifies errors (like missing '@' symbols), and successful submissions redirect the user to the "Thank You" page as intended

#### 5. Issue 1: Cross-Browser Validation UI Inconsistency

Describe the problem: During testing on the Registration Page, it was observed that while the email field had type="email", Firefox did not display a visible error tooltip when the "@" was missing, unlike Microsoft Edge which showed a clear warning. This could lead to a confusing user experience.

Which browsers affected: Firefox.

How you resolved it: To ensure a consistent experience, I verified the presence of the required attribute alongside type="email". Additionally, I tested the form submission to confirm that even if a tooltip doesn't appear immediately, the browser correctly blocks the form from being submitted until a valid email is entered.